range of 5-15 μ m.

18.

REMARKS

Entry of the foregoing amendment is respectfully requested. This amendment is intended to place the claims in a more conventional format and eliminate the multiple dependency of the claims.

Respectfully submitted,

(New) The device of claim 13, wherein said film has a thickness in the

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Date: December 13, 2001

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Attachment to Preliminary Amendment dated December 13, 2001 Marked-up Claims 1-14

1. (Amended) A method for manufacturing a device with an integrated circuit chip [such as a smart card or an electronic label; this device having a support (2) associated] with at least one active surface [such as a chip (6) with a front face (6a)] provided with at least one connection pad [(12)] and an opposite face [(6b); this], said method comprising the steps [consisting] of:

initially providing [for the active circuit] a thin active circuit [(6)] which has mechanical flexibility[, such as a chip (6) or flat-screen display; keeping];

affixing the thin active [surface (6) fixed] circuit to a stiffening substrate [(8) through] via its opposite face [(6b) referred to as the first face; removing the active circuit (6) from its stiffening substrate (8); mounting the active circuit (6) on a final support (2); characterised by the steps consisting in:

- presenting the active circuit in] to form an assembly composed of [this] the thin active circuit [(6)] and the stiffening substrate [(8)];
- [-] forming in the general plane of a face [(2a)] of [the] a final support [(2)] a communication interface [(4)] having at least one element [(4b)] for connection with the active circuit [(6), on the final support (2); then];
- [-] presenting this assembly, comprising the active circuit [(6)] with its stiffening substrate [(8)], against the communication interface [(4)], with the connection pad [(12)] against a corresponding connection element [(4b; 24a, 24b)];

- [-] fixing and electrically coupling the connection pad [(12)] with [its] a corresponding connection element [(4b; 24a, 24b), for example by laser welding; then]; and [-] removing the stiffening substrate [(8)] from the opposite face [(6b)].
- 2. (Amended) A method according to Claim 1, [characterised in that] wherein the communication interface [(4) is formed or produced in the form] comprises at least one of an ohmic contact area [(4a) and/or] and antenna area [(24),] protruding on a portion of a surface in the [overall] general plane of the face [(2a)] of the final support [(2)].
- 3. (Amended) A method according to Claim 1 [or 2, characterised in that] wherein the connection pad [(12)] is fixed and coupled with its respective connection element [(4b; 24a; 24b)] by welding by means of a laser beam [(16),] which passes through the stiffening substrate [(8)] and the active circuit [(6)], [this] said substrate [(8)] and circuit [(6)] being transparent to the wavelength used for the welding, [this wavelength being for example $1.06 \mu m$] whilst the pad [(12)] and/or the connection element [(4b; 24a, 24b)] is fusible under the effect of [this] said laser beam.
- 4. (Amended) A method according to [one of Claims 1 to 3, characterised in that] claim 1 wherein the support [(2)] for fixing the active circuit [(6)] is in roll form.

- 5. (Amended) A method according to [one of Claims 1 to 4, characterised in that it includes] claim 1 further including, after the step of removing the stiffening substrate [(8)], a step of depositing, on the opposite face [(6b)], a protective film [(22), for example with a thickness of 5 to 15 μ m, and] by lacquer printing[, provided that the communication interface has at least one ohmic contact area (4a) and a step of masking or removing the material of this film (22) on this area (4a) is possibly provided].
- 6. (Amended) A method according to [one of Claims 1 to 5, characterised by] claim 1 further including a step of cutting the assembly including the active circuit [(6)] and the stiffening substrate [(8)] into an assembly cut substantially to the dimensions of the circuit [(6)], before the step of presenting this assembly [(6, 8)].
- 7. (Amended) A method according to [one of Claims 1 to 6, characterised in that] claim 1 wherein each pad [(12)] is fixed with its respective connection element [(4b; 24a, 24b)] by [compression,] a compression force [being] that is applied through the stiffening substrate [(8)] of the assembly [(6, 8)].
- 8. (Amended) A method according to Claim [1 or] 6, [characterised in that] wherein the connection pad [(12)] is fixed and coupled with its respective connection element [(4b; 24a, 24b)] by welding by means of a laser beam [(16),] which passes through

the stiffening substrate [(8)] and the active circuit [(6)], [this] said substrate [(8)] and circuit [(6)] being transparent to the wavelengths used for the welding, [this wavelength being for example 1.06 μ m] whilst the pad [(12)] and/or the connection element [(4b; 24a, 24b)] is fusible under the effect of [this] said laser beam.

- 9. (Amended) Tooling [able to implement] for implementing the method according to Claim [6, characterised in that it includes] 8, comprising a laser with a wavelength [for example] of 1.06 μ m, whose beam [(16)] is transmitted by a plurality of optical paths [(20)], each directed towards a respective pad [(12)] of the active circuit [(6)], in order to effect welds in parallel.
- 10. (Amended) Tooling according to Claim 9, [characterised in that] wherein each optical path is produced by at least one optical fibre [(20)].
- 11. (Amended) Tooling according to Claim 9 [or 10, characterised in that] wherein the optical paths [(20)] are integrated in a tool for positioning and/or holding the assembly [(6, 8)] vis-à-vis the final support [(2)].
- 12. (Amended) A device with an integrated-circuit chip [such as a smart card(6) or electronic label; this device having a support (2) associated with] comprising at least

one active circuit [such as a chip (6)] with a front face [(6a)] provided with at least one connection pad [(12)] and an opposite face [(6b); this], said active circuit being a thin active circuit [(6)] which has mechanical flexibility, [such as a chip (6) or flat-screen display, and being] and which is mounted on [a final] said support [(2)]; [characterised in that it has:]

[-] an interface in the overall plane of one face [(2a)] of the [final] support [(2) an interface (4)] for communication with at least one element [(4b)] for connection with the active circuit [(6), on the final support (2)] and;

[- its] said connection pad [(12)] being fixed and electrically coupled against a corresponding connection element [(4b; 24a, 24b), for example by laser welding] on said interface.

- 13. (Amended) A device according to Claim 12, [characterised in that it has] further including a protective film [(22) with a thickness for example of 5 to 15 μ m, such as a printed lacquer, with a limited extent or even] over the [entire] surface of the support [(2)].
- 14. (Amended) A device according to Claim 12 [or 13, characterised in that] wherein the thickness of the connection elements and of the active circuit [(6)] with its pads is less than 50 microns.